

10/500006

Atty. Dkt. No. 028567-0132

DT09 Rec'd PCT/PTO 23 JUN 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Seiji SAITO

Title: APPARATUS FOR PREDICTING INTERACTION SITE, METHOD OF  
PREDICTING INTERACTION SITE, PROGRAM AND RECORDING  
MEDIUM

Appl. No.: Unassigned

Filing Date: 06/23/2004

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

The relevance of documents A3 and A4 is described in the present specification.

Documents A1-A6 were cited in the International Search Report in Applicants' International Application PCT/JP02/13833. A copy of the International Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

An English translation of foreign-language document A1 is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). An English language abstract is provided for document A1. An English language translation is provided for document A2.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

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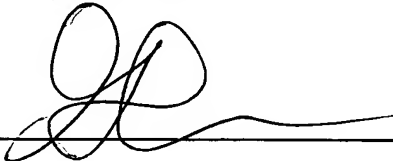
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The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

By

A handwritten signature in black ink, appearing to be "Glenn Law", written over a horizontal line.

Glenn Law  
Attorney for Applicant  
Registration No. 34,371

Date June 23, 2004

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: June 23, 2004 <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">Unassigned</td> </tr> <tr> <td>Filing Date</td> <td>06/23/2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Seiji SAITO</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>028567-0132</td> </tr> </table>		Application Number	Unassigned	Filing Date	06/23/2004	First Named Inventor	Seiji SAITO	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	028567-0132
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	JP	5-282381	A	FUJITSU LIMITED	10-29-1993		Abst.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A2	K. Furuta et al., "A Support Expert System for Secondary Structural Predictions in Proteins", Information Processing Society of Japan 33 <sup>rd</sup> (1986, Second Term) National Assembly, October 1, 1986, pages 1197-1198, English translation attached, pages 1-8.	
	A3	K.T. Simons et al., "Assembly of Protein Tertiary Structures from Fragments with Similar Local Sequences Using Simulated Annealing and Bayesian Scoring Functions", Journal of Molecular Biology, Vol. 268, No. 1, 25 April 1997, pages 209-225.	
	A4	C. Bystroff et al., "Prediction of Local Structure in Proteins Using a Library of Sequence-Structure Motifs", Journal of Molecular Biology, Vol 281, No. 3, 21 August 1998, pages 565-577.	
	A5	C. Bystroff et al., "HMMSTR: A Hidden Markov Model for Local Sequence-Structure Correlations in Proteins", Journal of Molecular Biology, Vol. 301, No. 1, 4 April 2000, pages 173-190.	
	A6	K.T. Simons et al., "Prospects for <i>ab initio</i> Protein Structural Genomics", Journal of Molecular Biology, Vol. 306, No. 5, 9 March 2001, pages 1191-1199.	

Examiner Signature	Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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